

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-7 (Canceled)

Claim 8 (Currently Amended): An optical disc having a data format, comprising:

a first ~~logical~~ ECC data structure including at least a user data and control information disposed in a first ECC block;

a second ~~logical~~ ECC data structure including at least an ID information of a physical sector disposed in a second ECC block, the first and second ECC blocks are error correction coded independently ~~for error correction~~; and

wherein the first ~~ECC block~~ and the second ECC block ~~blocks form~~ are expressed on the disc in a single same physical data structure cluster.

Claim 9 (Currently Amended): The optical disc as set forth in claim 8, wherein the ~~logical data format comprises~~ the first and second ECC blocks include an error correcting code having a long distance code (LDC) in ~~one direction~~; and ~~the user data is arranged in a same direction as the error correcting code~~ expression of user data on the disc.

Claim 10 (Currently Amended): An optical disc having a data format, comprising:

~~a logical data~~ an ECC data structure including at least a user data, control information, and ID information of a physical sector, the user data, control information and ID information, each being disposed in a respective ECC block, each respective ECC block ~~being coded independently for~~ are error correction coded independently;

wherein each respective ECC block ~~are is grouped to form~~ expressed on the disc in a single same physical data structure cluster.

Claim 11 (Currently Amended): The optical disc as set forth in claim 10, wherein the ~~logical data format comprises~~ ECC data blocks include an error correcting code having a long distance code (LDC) in ~~one direction; and the user data is arranged in~~ a same direction as the ~~error correcting code~~ expression of user data on the disc.

Claim 12 (Currently Amended): An optical disc having a data format, comprising:
a first ~~logical~~ ECC data structure including at least a user data disposed in a first ECC block; and

a second ~~logical~~ ECC data structure including at least a control information, and ID information of a physical sector disposed in a second ECC block, the first and second ECC blocks ~~being are error correction~~ coded independently ~~for error correction;~~

wherein the first ~~ECC block~~ and the second ECC block ~~blocks form~~ are expressed on the disc in a single same physical data structure cluster.

Claims 13-18 (Canceled)

Claim 19 (New): A method of writing to an optical disc, the method comprising:
forming ECC blocks including, user data, control information, and ID information of a physical sector, each being disposed in a respective one of the ECC blocks;
coding each respective ECC block independently for error correction,

expressing each ECC block in a single physical data cluster on the disc, and the ID information operative to identify physical sectors of the physical data cluster.

Claim 20 (New): The optical disc of Claim 8, wherein the ID information of the second ECC block is operative to synchronize and address physical sectors of the same physical data cluster.

Claim 21 (New): The optical disc of Claim 10, wherein the ID information is operative to synchronize and address physical sectors of the same physical data cluster.

Claim 22 (New): The optical disc of Claim 12, wherein the ID information of the second ECC block is operative to synchronize and address physical sectors of the same physical data cluster.